Pro-face

for the best interface

2013 Catalog

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HMI and Industrial PC Solutions

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Screen Editor
GP-Pro EX

Create Your HMI Application in Minutes ⊕

Set up communications

- Choose and set up PLC and third-party devices effortlessly
- System settings are logically arranged and easy to find

Design application/screens

- Drag-and-drop addressing, parts and colors
- Efficient features to reduce development time
- Create consistent look and feel using the user-defined templates

Simulate and test

- Verify before you travel
- Debug your application without hardware
- Test without downloading

Download/transfer

- Tamper-proof HMI application – password-protected project source

⊕ Multi-Platform

- Download to dedicated HMI or PC runtime (WinGP)

Thumbnail View

Visual PLC Addressing

Property Window
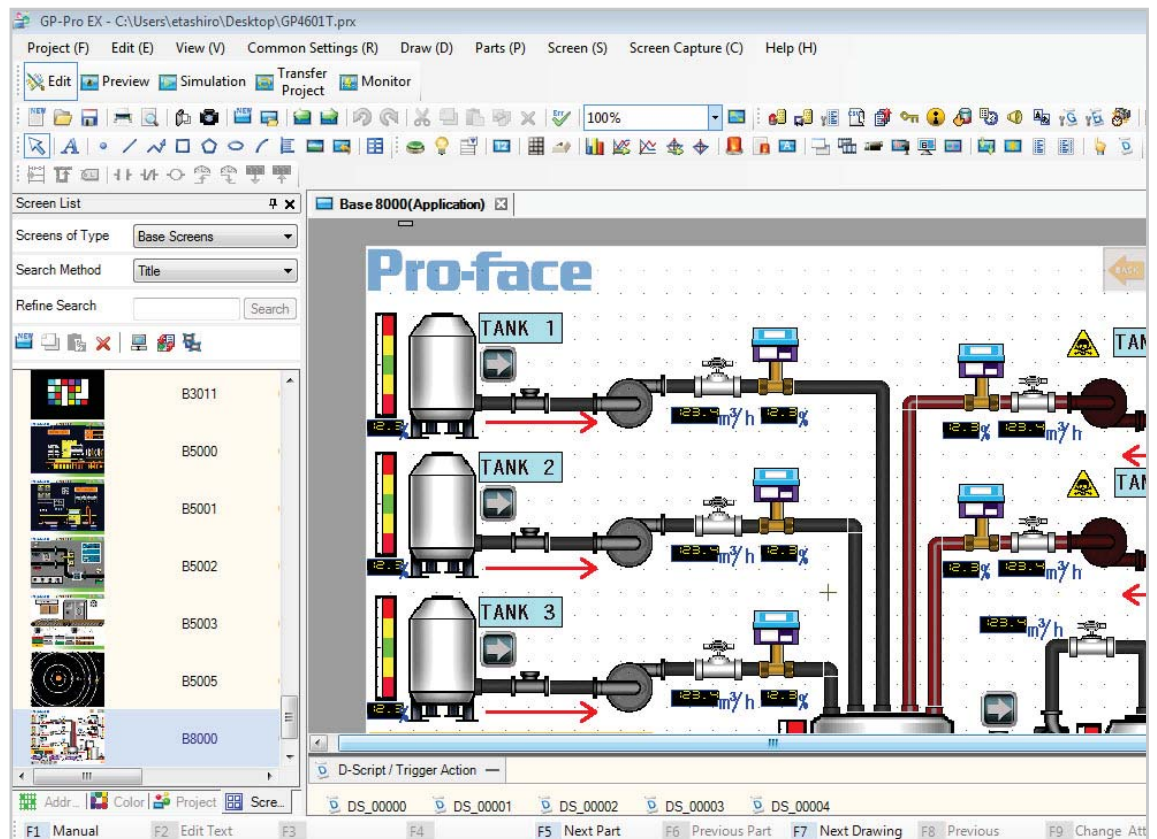
Templates

Search and Replace

Tabbed Interface

Resolution Conversion

Configurable Toolbars

Workspace Tabs

Headers and Footers

Multifunction Switches

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Data management software

Pro-Server EX

Enterprise-wide data collecting, sharing, connectivity solution

- + Applications
- + Collect and Manage Data
- + Connectivity Support

Control Room

Pro-face open- platform HMI

Plant Floor

Application software for sharing user-defined factory-floor data throughout the corporate enterprise

GP-Viewer EX

Monitor and Control an Operator Interface Remotely

GP-Viewer software is an ideal tool to service and support multiple locations from the main office. GP-Viewer allows monitoring of machine operators from a remote PC. See exactly what they see displayed on the HMI screen. Not only monitor, but have the ability to take control of operations for training and diagnostic purposes.

- + Monitor and Train Machine Operators
- + Machine Diagnostic Servicing
- + GP-Viewer Functionality
- + Application and Benefits

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Monitor and Control Pro-face HMI screen on a smart phone or a tablet.

WiFi

Efficient

See machine information anywhere without going to the spot, saving you travel time.

Effective

Able to monitor status of multiple machines (up to 100) by one Pro-face Remote HMI.

Easy Set Up

GP-Pro EX software facilitates easy set up and activation of Pro-face HMI.

Interactive

Besides monitoring, you can control the machine from your tablet or smart phone (data input, send work instruction, etc.).

On-site HMI in Your Hand!

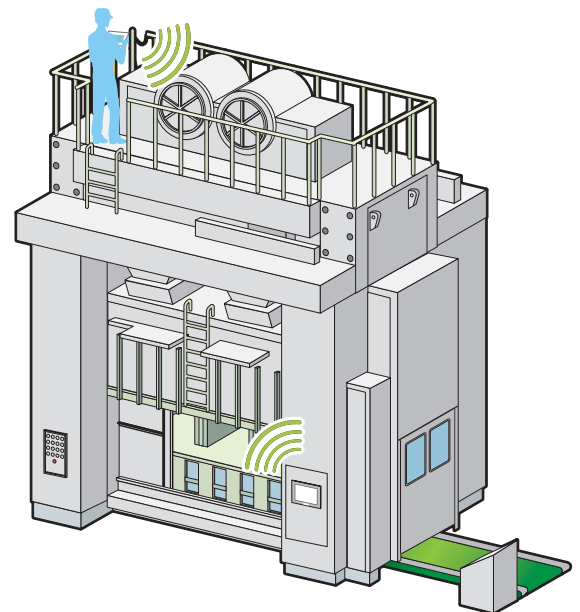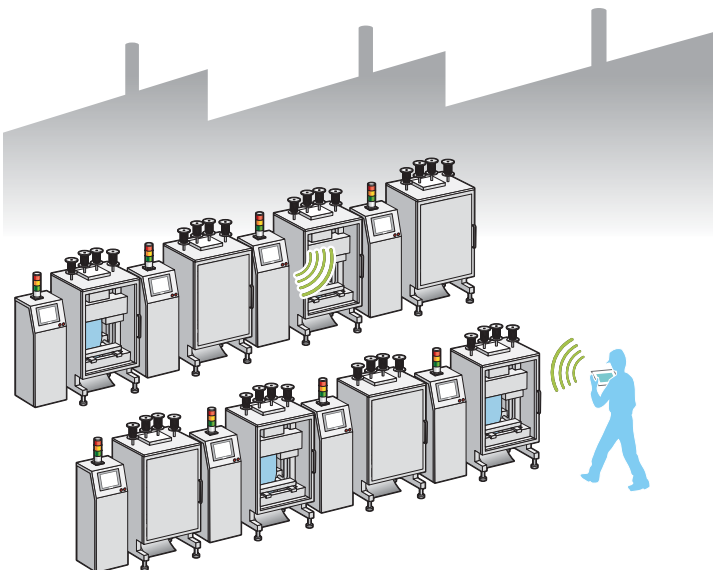+ **Any tablet or smart phone with Android OS or iOS can be used.**

Available on the App Store   GET IT ON Google play

Watch Demo Video

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GP4000 Standard

| 3.5" | 5.7" | 7.0" | 7.5" | 10.4" | 12.1" |

Description

Best in Class Connectivity, Powerful HMI Functionality and Full Compatibility with Pro-face GP-Pro EX 3.x software and GP-4000 products and projects.

Easy to Use: Operators can easily monitor conditions and the operating environment in real time using realistic 3D buttons, lamps, and gauges.

Saves Energy: Reduces on-site power consumption in a variety of ways including an on-board LED backlight in all models, and a dimmer setting used to decrease and eventually stand-by the display after being idle for a set period of time.

Quick On-site Recovery: Simply touch the alarm message to check the relevant data in chronological sequence.

Remote Monitoring: GP-Viewer EX software provides various remote monitoring functions, such as checking the screen of the GP located on a production site from a remote office.

Features

• 65,536 Colors, Clear, Bright, High-Resolution TFT Display

• Energy Efficient LED Display

• No Grid Analog Touch Panel for Improved Visibility and Precise Part Placement

• Supports Up to Two Protocol Drivers Simultaneously

• High Speed Application Transfer, 10 Times Faster than Conventional Operator Interfaces

• 10/100 Base-T Ethernet, USB, and Serial Communication Interfaces

• High-Definition Part Images and Multi-Language Support

Watch Demo Video

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3.5" Standard

Analog Touchscreen Operator Interface with USB and Serial Communication Ports.

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Type and Size	TFT Color LCD (3.5")
Display Colors	65,536 Colors (No blink) / 16, 384 Colors (blink)
Display Area	W 70.56 x H 52.92 mm [W 2.78 x H 2.08 in]
Touch Screen	Resistive Film (analog) 1024 x 1024 resolution
Backlight	White LED
Storage Temperature	-20 to 60 deg C [-4 to 140 deg F]
Environmental Ratings	IP65f, NEMA Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS, ABS, DNV, ATEX

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360 Swivel Shot   Part # Decoder

Connectable Devices   CAD Drawing

Product Specifications

	PFXGP4201TADW	PFXGP4201TAD	PFXGP4203TAD
Part Number to Order	PFXGP4201TADW	PFXGP4201TAD	PFXGP4203TAD
SD Card	No		
Serial Ports (COM1)	RS-232C / 422 / 485	RS-232C / 422 / 485	RS-485 (isolation)
Serial Ports (COM2)	RS-485 (isolation)	n/a	n/a
Ethernet	n/a	Yes	Yes
USB (1)	Type-A (2.0)		
USB (2)	Mini-B (2.0)		
Brightness / Contrast Controls	8 levels of adjustment	16 levels of adjustment	16 levels of adjustment
Programming Memory	8mb Flash EPROM	16mb Flash EPROM	16mb Flash EPROM
Backup Memory	128kb SRAM w/ battery backup	512kb SRAM w/ battery backup	512kb SRAM w/ battery backup
Ambient Operating Temperature	0 to 50 deg C [32 to 122 deg F]		
Input Voltage	24 VDC		
Power Consumption	9.6 W or less		

Accessories

PFXZCBWG41	Replacement Gasket for 3.5" GP4000 (Qty 1)	+
CA6-DFS4-01	Touch Screen Protective Sheet (Qty 5) for 3.5" GP4000	+
PFXZCBOP41	3.5" Environmental Cover for GP4000	+
CA3-USBCB-01	Transfer/Programming Cable USB: HMI USB type A port to PC USB type A port	+
ZC9USCBMB1	Transfer/Programming Cable USB: HMI USB type mini-B port to PC USB type-A port	+
HMI-CAB-ETH	Transfer/Programming Cable Ethernet: Crossover cable 6ft. HMI to PC Ethernet port	+

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5.7" Standard

Analog Touchscreen Operator Interface
with USB and Serial Communication Ports.

General Specifications

Graphic Display Resolution	320 x 240 pixels (QVGA)
Display Type and Size	TFT Color LCD (5.7")
Display Colors	65,536 Colors (No blink) / 16, 384 Colors (blink)
Display Area	W 115.2 x H 86.4 mm [W 4.54 x H 3.4 in]
Touch Screen	Resistive Film (analog) 1024 x 1024 resolution
Backlight	White LED
Storage Temperature	-20 to 60 deg C [-4 to 140 deg F]
Environmental Ratings	IP65f, NEMA Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS, ABS, DNV, ATEX

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360 Swivel Shot	Part # Decoder
Connectable Devices	CAD Drawing

Product Specifications

Product Specifications	+	+	+
Part Number to Order	**PFXGP4301TADW** **PFXGP4301TADWC***	**PFXGP4301TAD** **PFXGP4301TADC***	**PFXGP4303TAD**
SD Card	No	Yes	Yes
Serial Ports (COM1)	RS-232C		
Serial Ports (COM2)	RS-422 / 485	RS-422 / 485	RS-485 (isolation)
Ethernet	Yes		
USB (1)	Type-A (2.0)		
USB (2)	Mini-B (2.0)		
Brightness / Contrast Controls	8 levels of adjustment	16 levels of adjustment	16 levels of adjustment
Programming Memory	8mb Flash EPROM	16mb Flash EPROM	16mb Flash EPROM
Backup Memory	128kb SRAM w/ battery backup	512kb SRAM w/ battery backup	512kb SRAM w/ battery backup
Ambient Operating Temperature	0-50 deg C [32 to 122 deg F]	0-55 deg C [32 to 131 deg F]	0-55 deg C [32 to 131 deg F]
Input Voltage	24 VDC		
Power Consumption	10.5 W or less		

* C suffix denotes product is conformal coated

Accessories

PFXZCBSD4GC41	SD Memory Card (4 GB, Class 4)	+
PFXZCBWG61	Replacement Gasket for 5.7" GP4000 (Qty 1)	+
PFXZCBDS61	Touch Screen Protective Sheet (Qty 5) for 5.7" GP4000	+
PFXZCBOP61	5.7" Environmental Cover for GP4000	+
CA3-USBCB-01	Transfer/Programming Cable USB: HMI USB type A port to PC USB type A port	+
ZC9USCBMB1	Transfer/Programming Cable USB: HMI USB type mini-B port to PC USB type-A port	+
HMI-CAB-ETH	Transfer/Programming Cable Ethernet: Crossover cable 6ft. HMI to PC Ethernet port	+

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7.0" Standard (Widescreen)

Analog Touchscreen Operator Interface with USB and Serial Communication Ports.

General Specifications

Graphic Display Resolution	800 x 480 pixels (WVGA)
Display Type and Size	TFT Color LCD (7.0")
Display Colors	65,536 Colors (No blink) / 16, 384 Colors (Blink)
Display Area	W 152.4 x H 91.44 mm [W 6.0 x H 3.6 in]
Touchscreen	Resistive Film (analog) 1024 x 1024 resolution
Backlight	White LED
Storage Temperature	-20 to 60 deg C [-4 to 140 deg F]
Environmental Ratings	IP65f, NEMA Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS, ABS, DNV, ATEX

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360 Swivel Shot   Part # Decoder

Connectable Devices   CAD Drawing

Product Specifications

	+
Part Number to Order	**PFXGP4401WADW**
SD Card	Yes
Serial Ports (COM1)	RS-232C
Serial Ports (COM2)	RS-422 / 485
Ethernet	Yes
USB (1)	Type-A (2.0)
USB (2)	Mini-B (2.0)
Brightness / Contrast Controls	8 levels of adjustment
Programming Memory	16mb Flash EPROM
Backup Memory	128kb SRAM with battery backup
Ambient Operating Temperature	0-50 deg [32 to 122 deg F]
Input Voltage	24 VDC
Power Consumption	12W or less

Accessories

PFXZCBSD4GC41	SD Memory Card (4 GB, Class 4)	+
PFXZCBWG71	Replacement Gasket for 7.0" GP4000 (Qty 1)	+
PFXZCBDS72	Touch Screen Protective Sheet (Qty 5) for 7.0" GP4000	+
PFXZCBOP71	7.0/7.5" Environmental Cover for GP4000	+
CA3-USBCB-01	Transfer/Programming Cable USB: HMI USB type A port to PC USB type A port	+
ZC9USCBMB1	Transfer/Programming Cable USB: HMI USB type mini-B port to PC USB type-A port	+
HMI-CAB-ETH	Transfer/Programming Cable Ethernet: Crossover cable 6ft. HMI to PC Ethernet port	+

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7.5" Standard

Analog Touchscreen Operator Interface with USB and Serial Communication Ports.

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Type and Size	TFT Color LCD (10.4")
Display Colors	65,536 Colors (No blink) / 16, 384 Colors (Blink)
Display Area	W 153.7 x H 115.8 mm [W 6.05 x H 4.56 in]
Touchscreen	Resistive Film (analog) 1024 x 1024 resolution
Backlight	White LED
Storage Temperature	-20 to 60 deg C [-4 to 140 deg F]
Environmental Ratings	IP65f, NEMA Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS, ABS, DNV, ATEX

CLASS 1 DIV 2

360 Swivel Shot **Part # Decoder**

Connectable Devices **CAD Drawing**

Product Specifications

Part Number to Order	**PFXGP4401TAD**
SD Card	Yes
Serial Ports (COM1)	RS-232C
Serial Ports (COM2)	RS-422 / 485
Ethernet	Yes
USB (1)	Type-A (2.0)
USB (2)	Mini-B (2.0)
Brightness / Contrast Controls	16 levels of adjustment
Programming Memory	32mb Flash EPROM
Backup Memory	512kb SRAM with battery backup
Ambient Operating Temperature	0-55 deg C [32 to 131 deg F]
Input Voltage	24 VDC
Power Consumption	12W or less

Accessories

PFXZCBSD4GC41	SD Memory Card (4 GB, Class 4)	+
PFXZCBWG71	Replacement Gasket for 7.0/7.5" GP4000 (Qty 1)	+
PFXZCBDS71	Touch Screen Protective Sheet (Qty 5) for 7.5" GP4000	+
PFXZCBOP71	7.0/7.5" Environmental Cover for GP4000	+
CA3-USBCB-01	Transfer/Programming Cable USB: HMI USB type A port to PC USB type A port	+
ZC9USCBMB1	Transfer/Programming Cable USB: HMI USB type mini-B port to PC USB type-A port	+
HMI-CAB-ETH	Transfer/Programming Cable Ethernet: Crossover cable 6ft. HMI to PC Ethernet port	+

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10.4" Standard

Analog Touchscreen Operator Interface
with USB and Serial Communication Ports.

General Specifications

Graphic Display Resolution	640 x 480 pixels (VGA)
Display Type and Size	TFT Color LCD (10.4")
Display Colors	65,536 Colors (No blink) / 16, 384 Colors (blink)
Display Area	W 211.2 x H 158.4 mm [W 8.31 x H 6.24 in]
Backlight	White LED
Storage Temperature	-20 to 60 deg C [-4 to 140 deg F]
Environmental Ratings	IP65f, NEMA Type 4x/13
Certifications	CE, CSA, UL Listed C1D2, RoHS, ABS, DNV, ATEX

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360 Swivel Shot   **Part # Decoder**

Connectable Devices   **CAD Drawing**

The GP4000's ability to connect to various devices and support a wide range of drivers, allows simultaneous communications between multiple protocols.

PLC

Motion controller

Inverter

Vision sensor

Temperature controller

Actuator

Bar-code/ 2D code reader

Single board computer